



# PUBLIC NOTICE

US Army Corps  
of Engineers  
New York District  
Jacob K. Javits Federal Building  
New York, N.Y. 10278-0090  
ATTN: Regulatory Branch

## In replying refer to:

Public Notice Number: NAN-2007-1103-WCA

Issue Date: **January 30, 2008**

Expiration Date: **February 22, 2008**

### To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), and Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: New Jersey Turnpike Authority  
P.O. Box 5042  
Woodbridge, New Jersey 07095

ACTIVITY: Discharge fill material into waters of the United States to facilitate roadway improvements to New Jersey Turnpike Interchange 18W and associated NWC ramp, upgrade existing culverts, and install new outfall structures.

WATERWAY: Moonachie Creek (Hackensack River Watershed)

LOCATION: Borough of Carlstadt, Bergen County, New Jersey.

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND MAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE, otherwise, it will be presumed that there are no objections to the activity.

CENAN-OP-RW  
PUBLIC NOTICE NO. NAN-2007-1103-WCA

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to affect any Federally endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions or proposed actions, that are either permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). Based upon a review of the "Guide to Essential Fish Habitat Designations in the Northeastern United States," issued by the National Oceanic and Atmospheric Administration/National Marine Fisheries Service (NOAA-FS), the EFH for several aquatic species and their life stages in the proposed project area could potentially be impacted by the proposed work. Further consultation with NOAA-FS regarding EFH impacts and conservation recommendations is being conducted and will be concluded prior to a final decision on the application.

Based upon a review of the latest published version of the National Register of Historic Places, there are no known sites eligible for, or included in, the Register within the permit area. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit.

Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, the approved state coastal zone management program. By this public notice, we are requesting the state's concurrence with, objection to, or waiver of the applicant's certification. No permit decision will be made until one of these actions occur. For activities within the coastal zone of New Jersey the applicant's certification and accompanying information is available from the New Jersey Department of Environmental Protection, Bureau of Coastal Regulation, CN 401, 501 East State Street, Second Floor, Trenton, New Jersey 08625-0401, Telephone Number (609) 633-2289. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal, should be so addressed.

In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration: New Jersey Department of Environmental Protection Waterfront Development Permit.

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8412 and ask for James Cannon.

CENAN-OP-RW  
PUBLIC NOTICE NO. NAN-2007-1103-WCA

For more information on New York District Corps of Engineers programs, visit our website at <http://www.nan.usace.army.mil>



Richard L. Tomer  
Chief, Regulatory Branch

Enclosures

### **WORK DESCRIPTION**

The applicant, the New Jersey Turnpike Authority (NJTA), has requested Department of the Army authorization to discharge fill material into 1.51 acres of waters of the United States to facilitate road improvements along the New Jersey Turnpike southbound mainline (western spur) and Ramp NWC in the vicinity of Interchange 18W. The site is located within the Hackensack River watershed, in the Borough of Carlstadt, Bergen County, New Jersey.

Currently, southbound New Jersey Turnpike (NJT) traffic entering the Meadowlands Sports Complex utilizes a limited access exit lane (NWC Ramp) that lacks deceleration lanes. During Meadowlands Sports Complex events, NJT traffic frequently queues up along the NWC Ramp and the western southbound main line extending to the Hackensack River crossing, resulting in operational, safety, and capacity problems for both the NJT mainline traffic and Ramp NWC traffic. Therefore, the NJTA proposes road improvements to the southbound Ramp NWC which would include two additional decelerations lanes that would provide minimum operational and safety standards to accommodate future traffic volumes entering the Meadowlands Sports Complex.

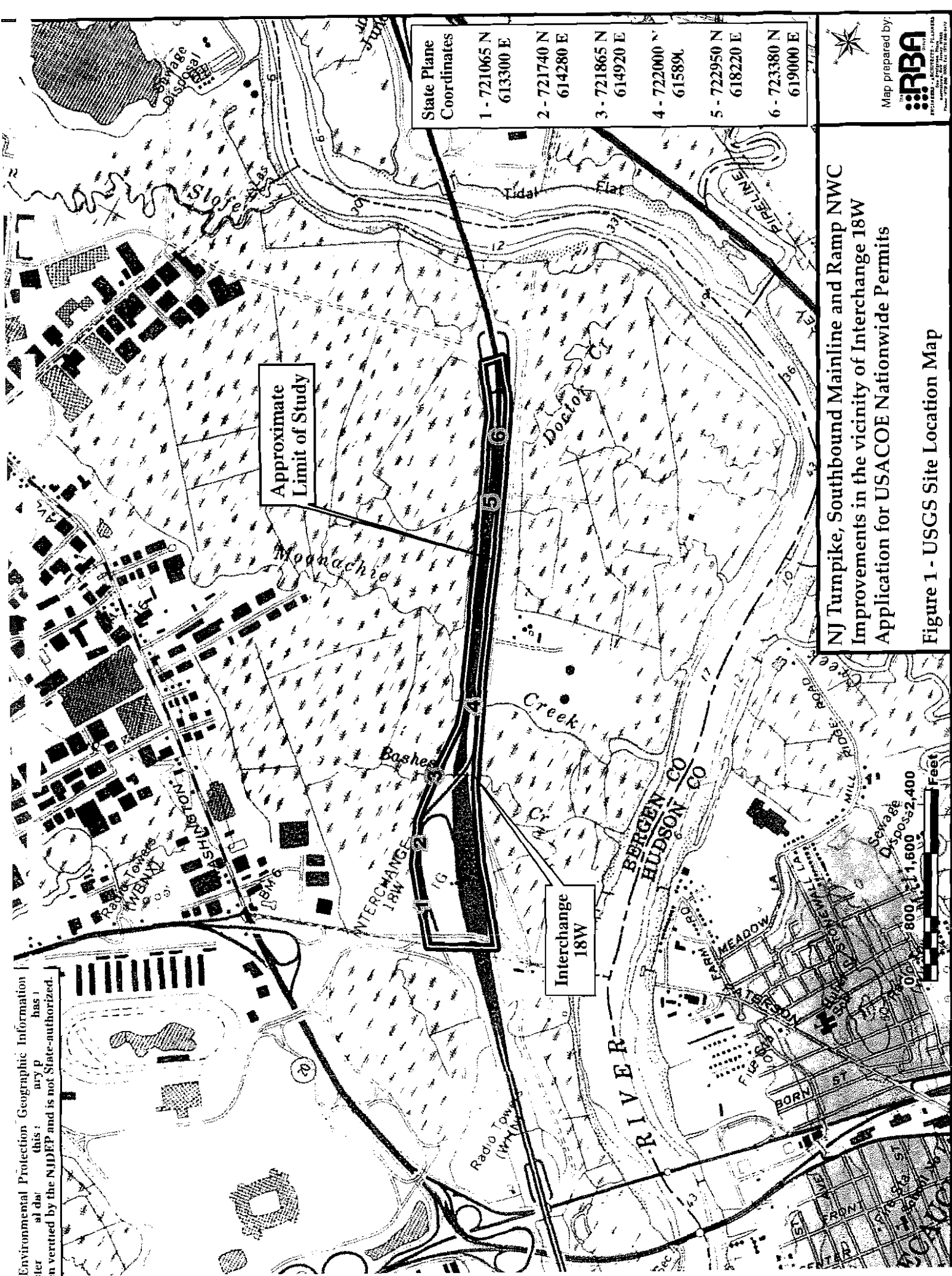
The proposed road work activities would include the construction of two new 12-foot wide deceleration lanes along Ramp NWC situated on the southbound main lane of the NJT western spur. To facilitate the construction of the two deceleration lanes, the existing NWC Ramp would be widened along its western edge up to 42 feet for a length of approximately 4,000 linear feet. A 12-foot wide partially vegetated shoulder would also be maintained. The vegetated embankment to the toe-of-slope of the road widening would be at a 2:1 ratio.

Additional activities would include the extension of an existing culvert that conveys Moonachie Creek under the NJT with associated stone riprap to stabilize the adjacent creek banks, the construction of two (2) new outfall structures with associated rock riprap scour protection, and the upgrade of seven (7) existing outfall structures with associated riprap scour protection.

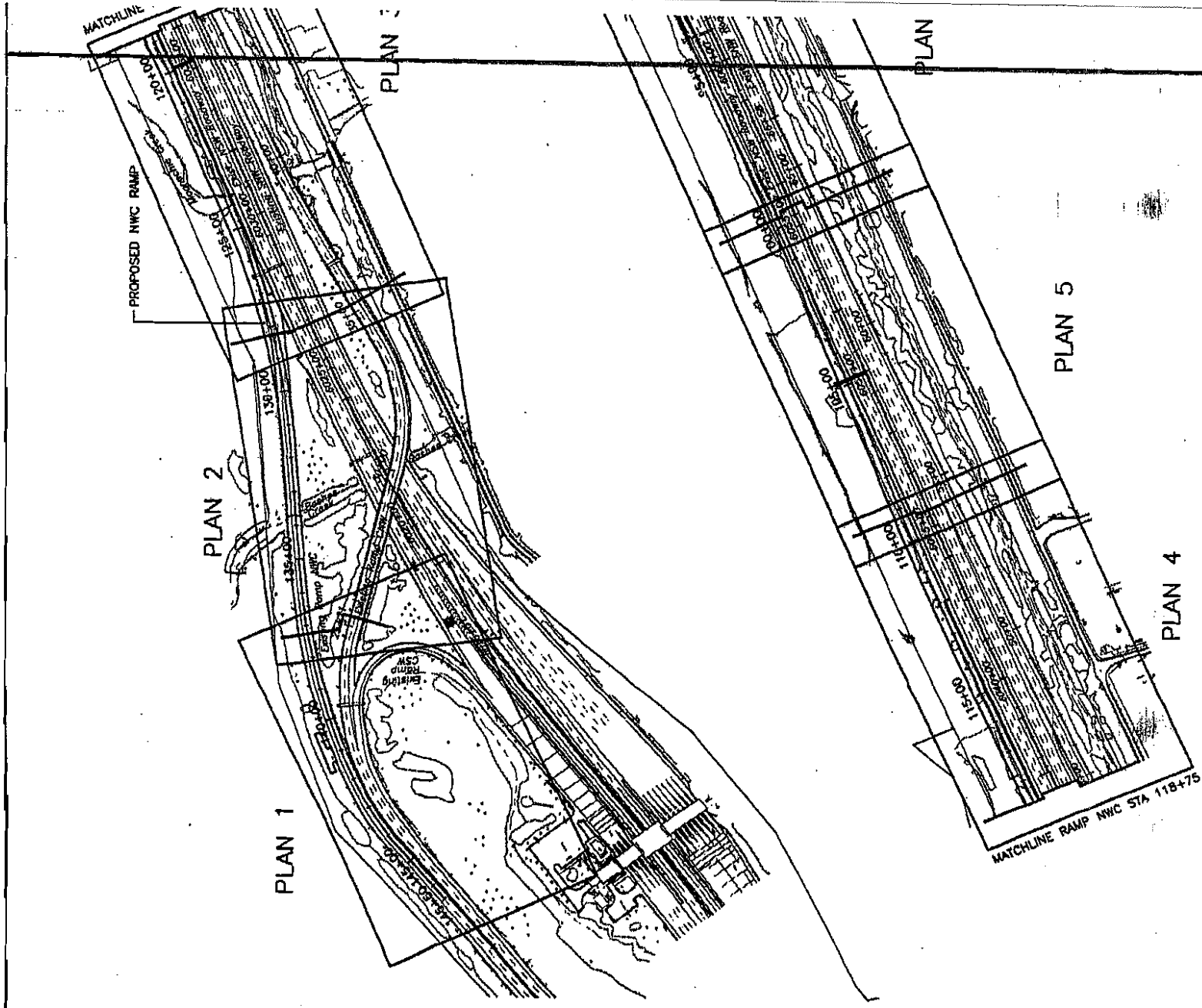
Approximately 1.51 acres of waters of the United States would be permanently impacted as a result of the proposed deceleration lane installation activities and the associated outfall installation and maintenance activities. An additional 0.65 acres would be temporarily disturbed as a result of the proposed activities, but will be restored to preconstruction condition upon completion of the road improvements. To compensate for the 1.51 acres of permanent impacts to waters of the United States, the applicant proposes to enhance approximate 4.47 acres of existing non-tidal emergent wetlands dominated by common reed (*Phragmites australis*) to forested non-tidal wetlands and preserve approximately 0.49 acres of open waters along Bashes Creek, in the Borough of Carlstadt, Bergen County, New Jersey.

The stated purpose of this project is to enhance the operation, safety and capacity of NJT's Ramp NWC, and eliminate the existing substandard design features associated with the main line and ramp configuration, as well as provide for the accommodation of full-time tolling (24-hours-a-day/7 days-a week) of the Ramp NWC ingress traffic.

Environmental Protection Geographic Information  
 Inter alia this map has  
 been verified by the NJDEP and is not State-authorized.



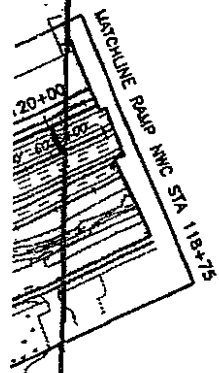
### Figure 1 - USGS Site Location Map



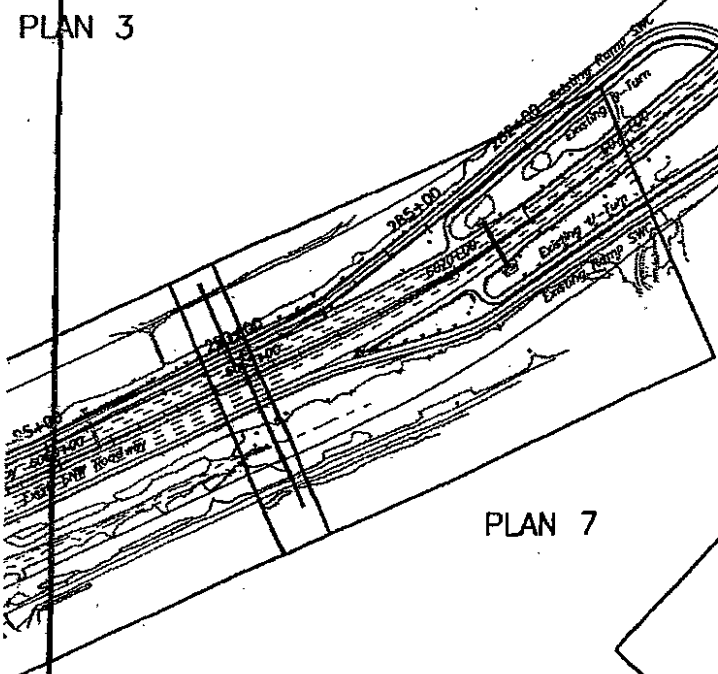
**MATCH LINE**

Figure 2 of 21

	BY	DATE
MADE		
TRACED		
CHECKED		
SUPERVISED		AMM

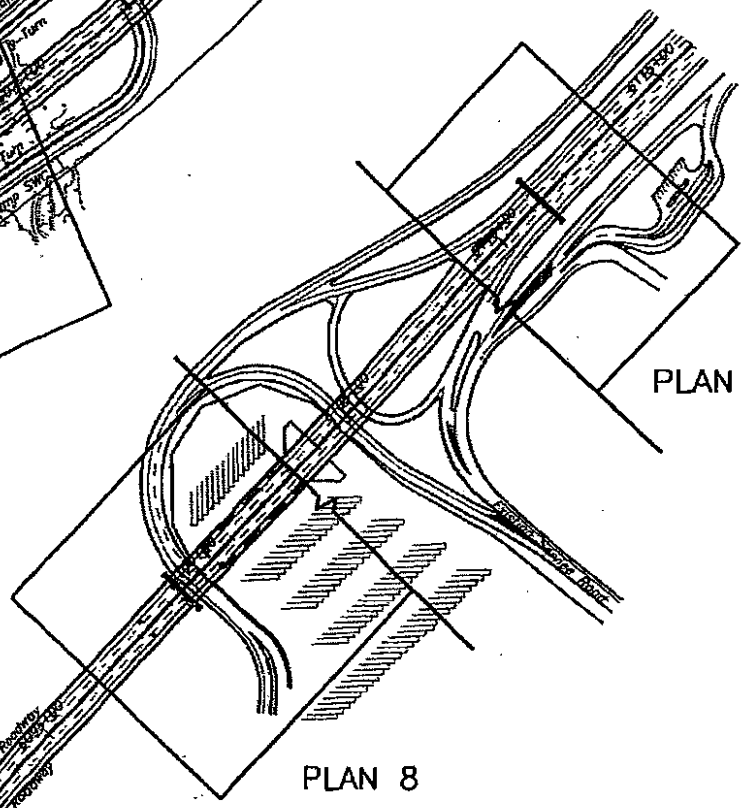
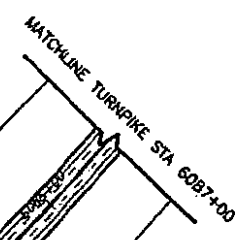
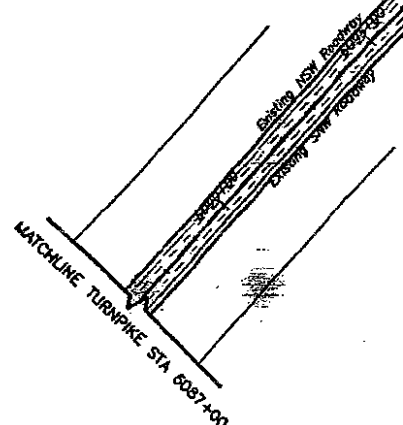


PLAN 3



PLAN 7

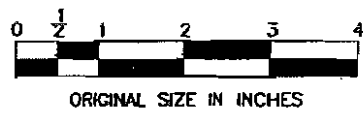
PLAN 6



PLAN 8

PLAN 8

**MATCH  
LINE**



No.	DATE	REVISION

NEW JERSEY TURNPIKE AUTHORITY  
**NEW JERSEY TURNPIKE**  
 INTERCHANGE 18W  
 RAMP NWC IMPROVEMENTS  
 CONTRACT NO. T300.064

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PLAN REFERENCE SHEET

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The RBA Group  
 One Evergreen Place, Morristown, NJ 07962-1927

SCALE: 1"=200'  
 DATE: MAY 2007

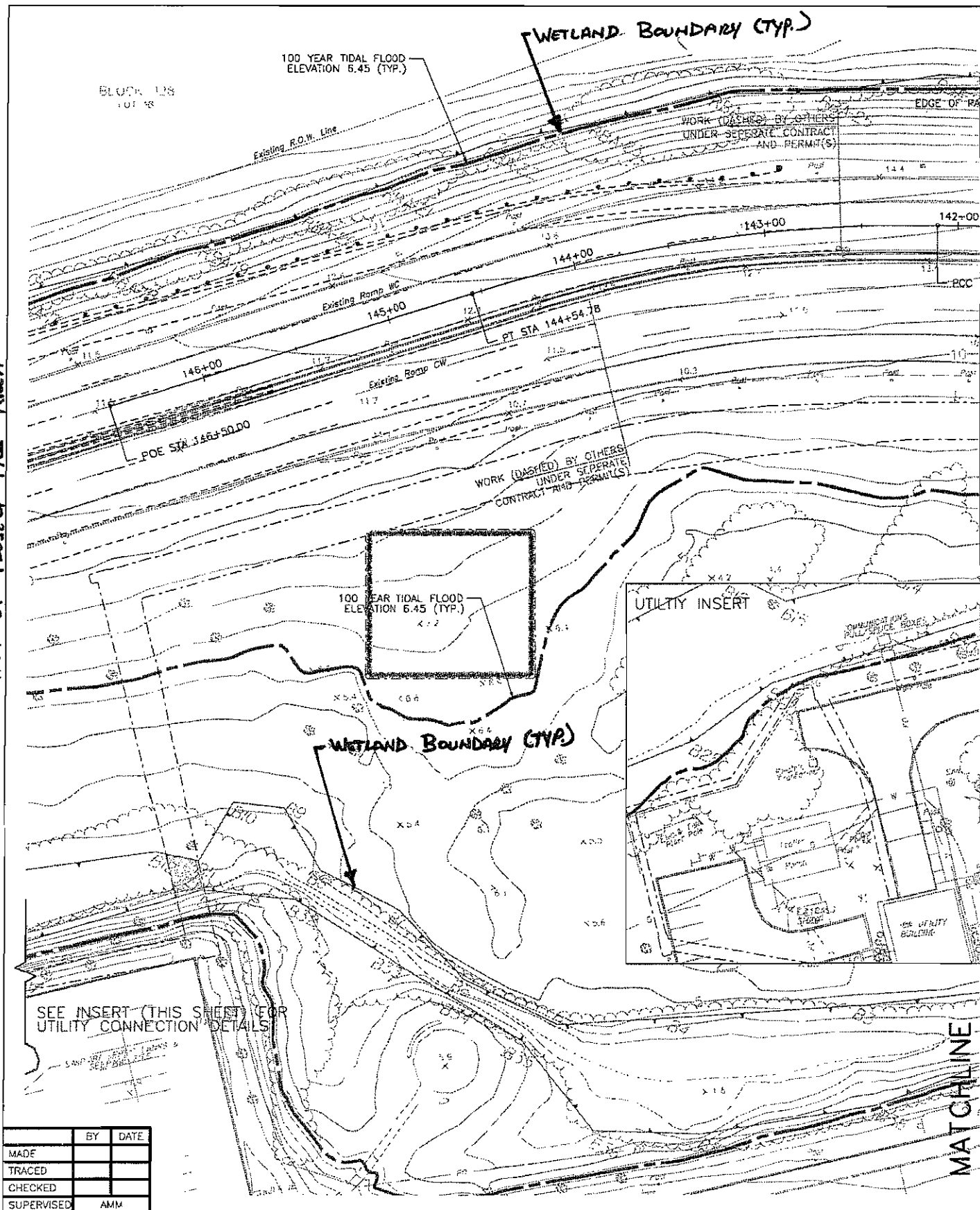
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**JAMES E. HUSELTON** N.J.P.E. 29499

c:\project\j362300\code\Plan Reference Sheet\PlanRefShL.dgn

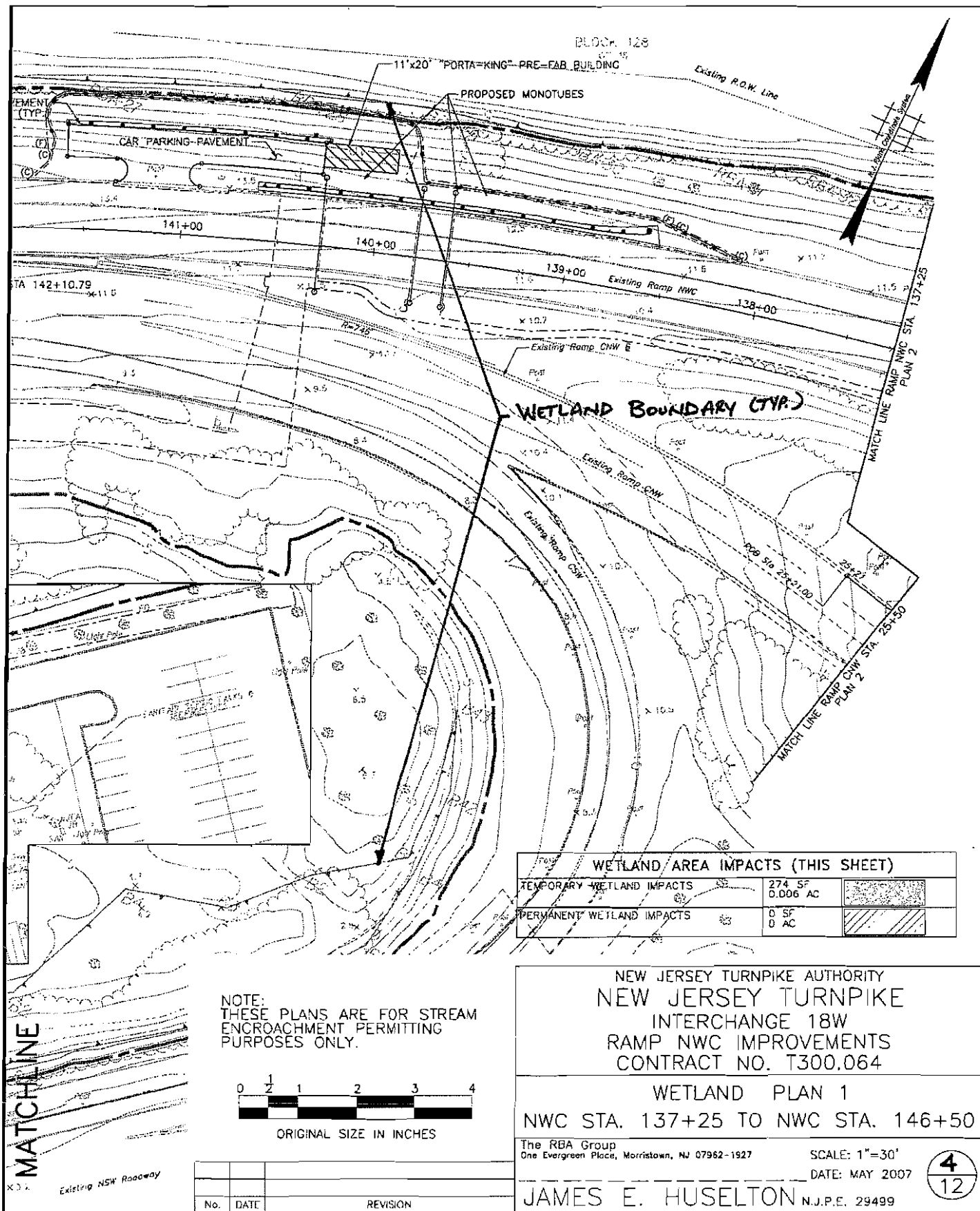


START OF PROJECT FILL AREA



	BY	DATE
MADE		
TRACED		
CHECKED		
SUPERVISED	AMM	





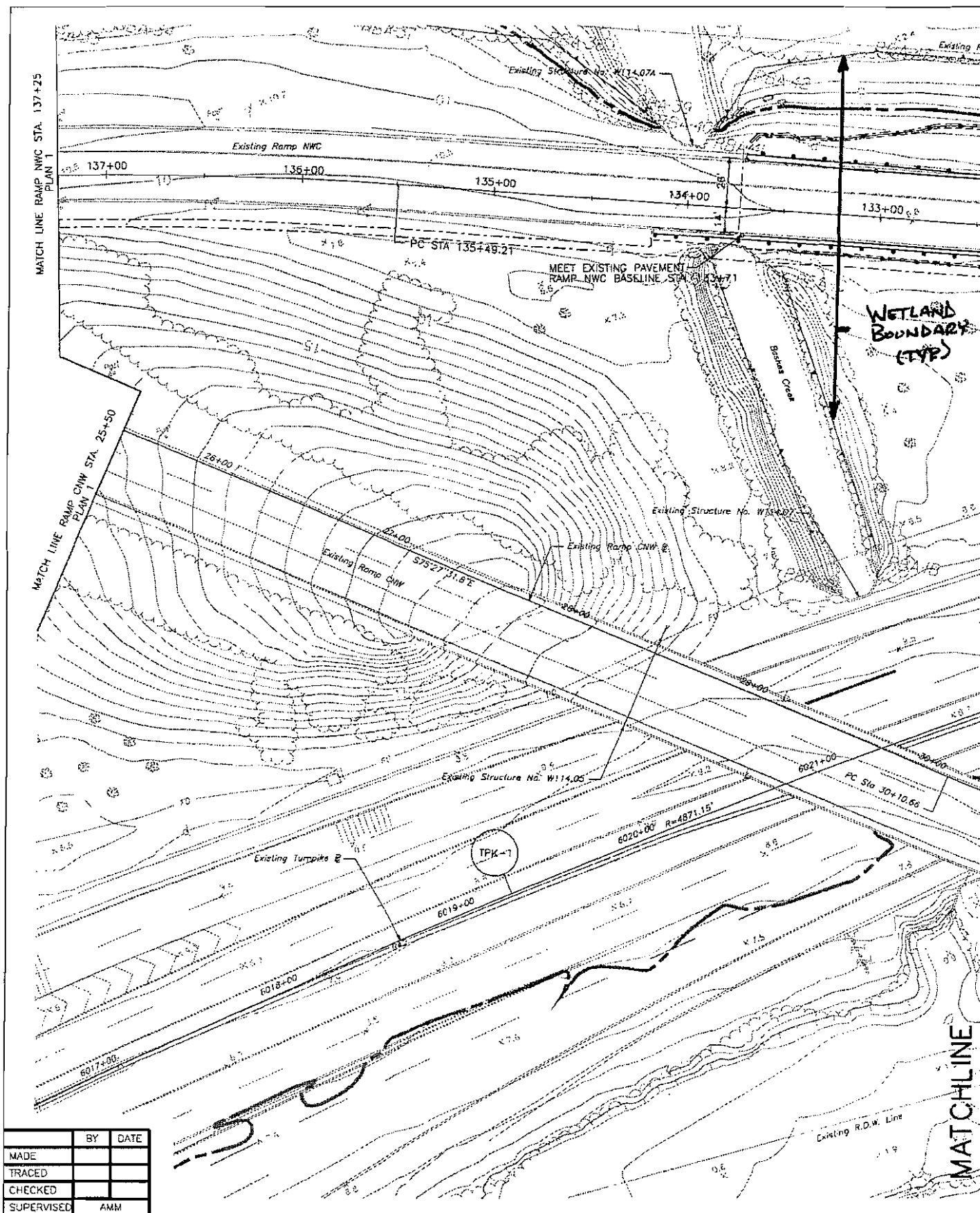


Figure 6 of 21

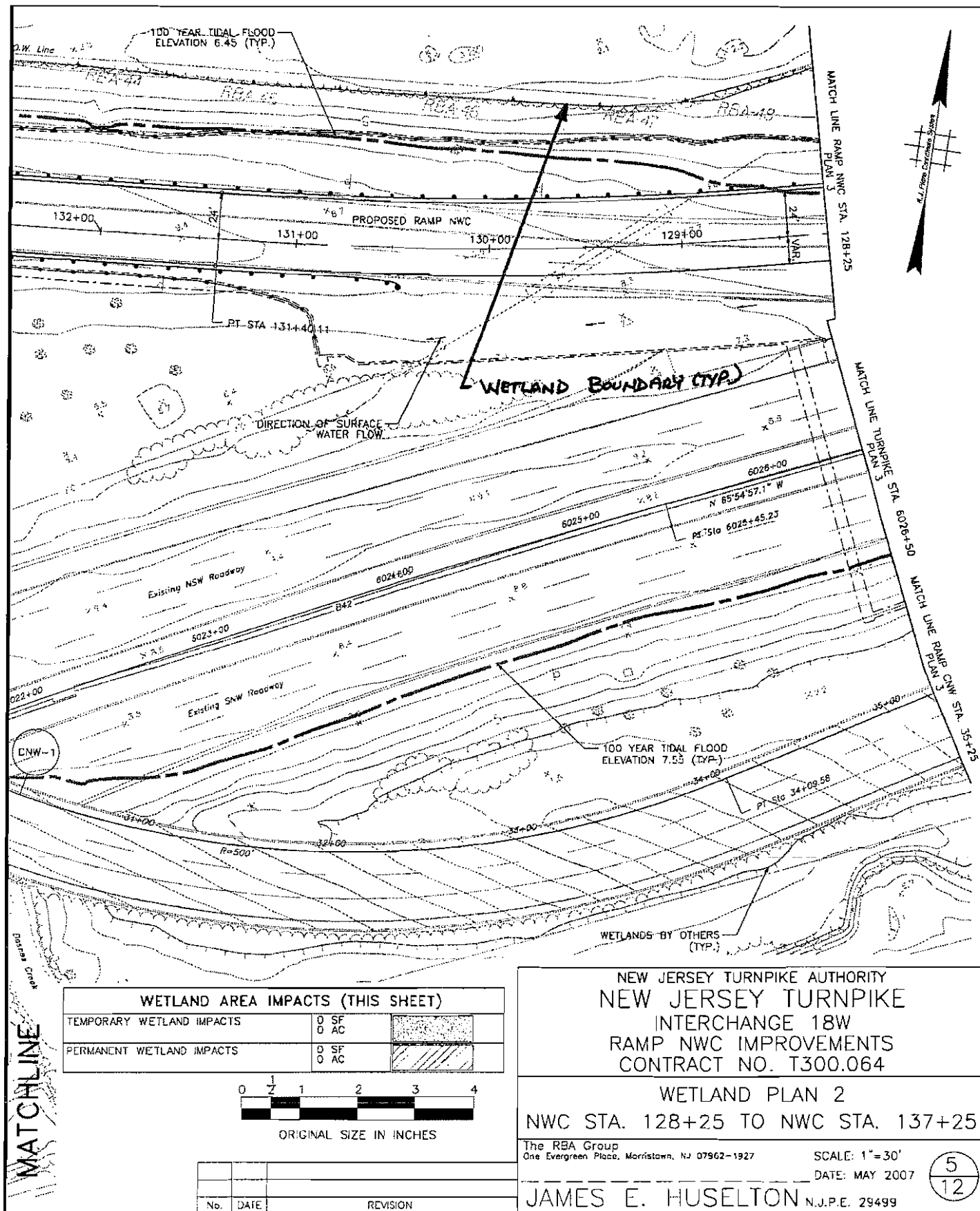
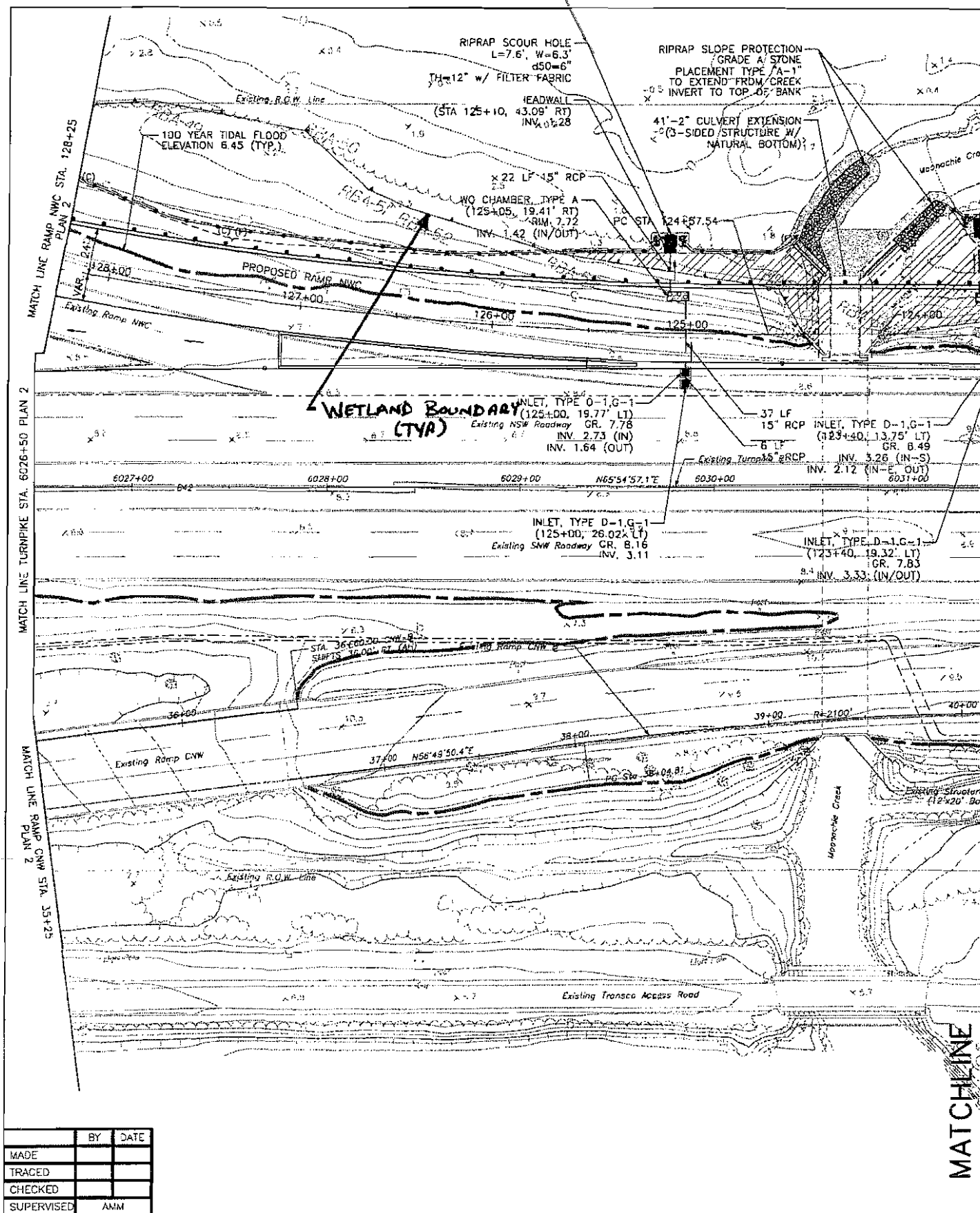
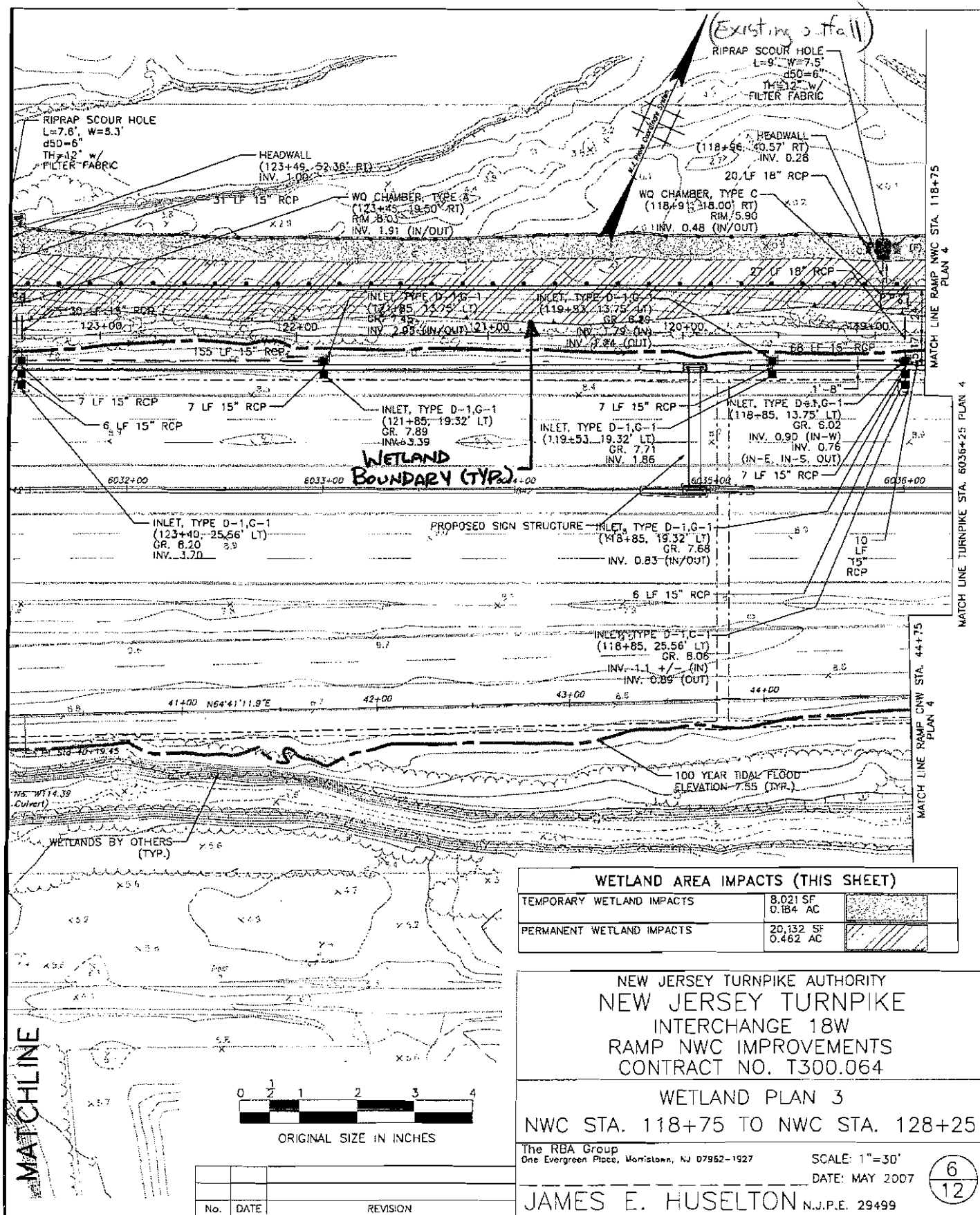


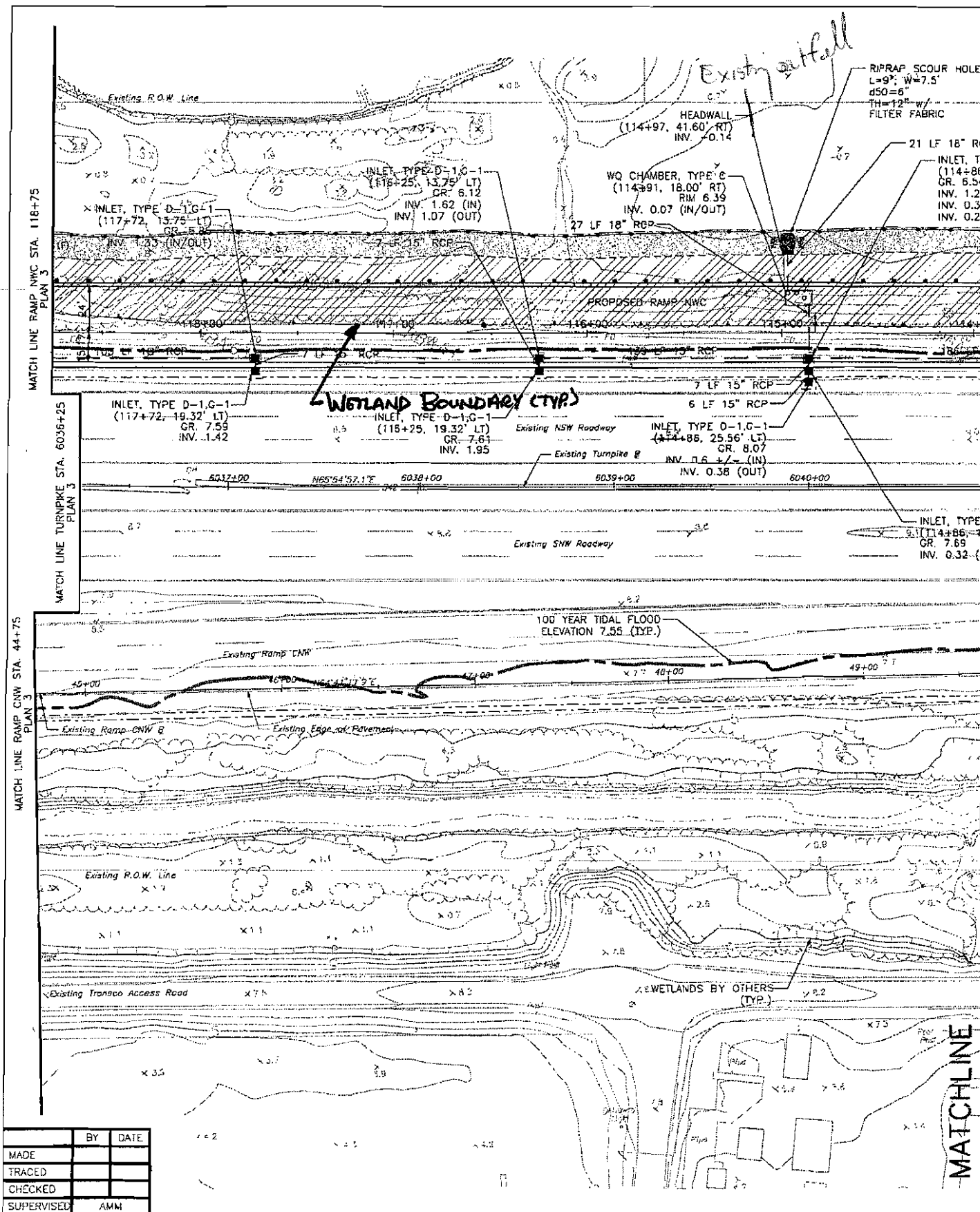
Figure 7 of 21

(New proposed outfall location)



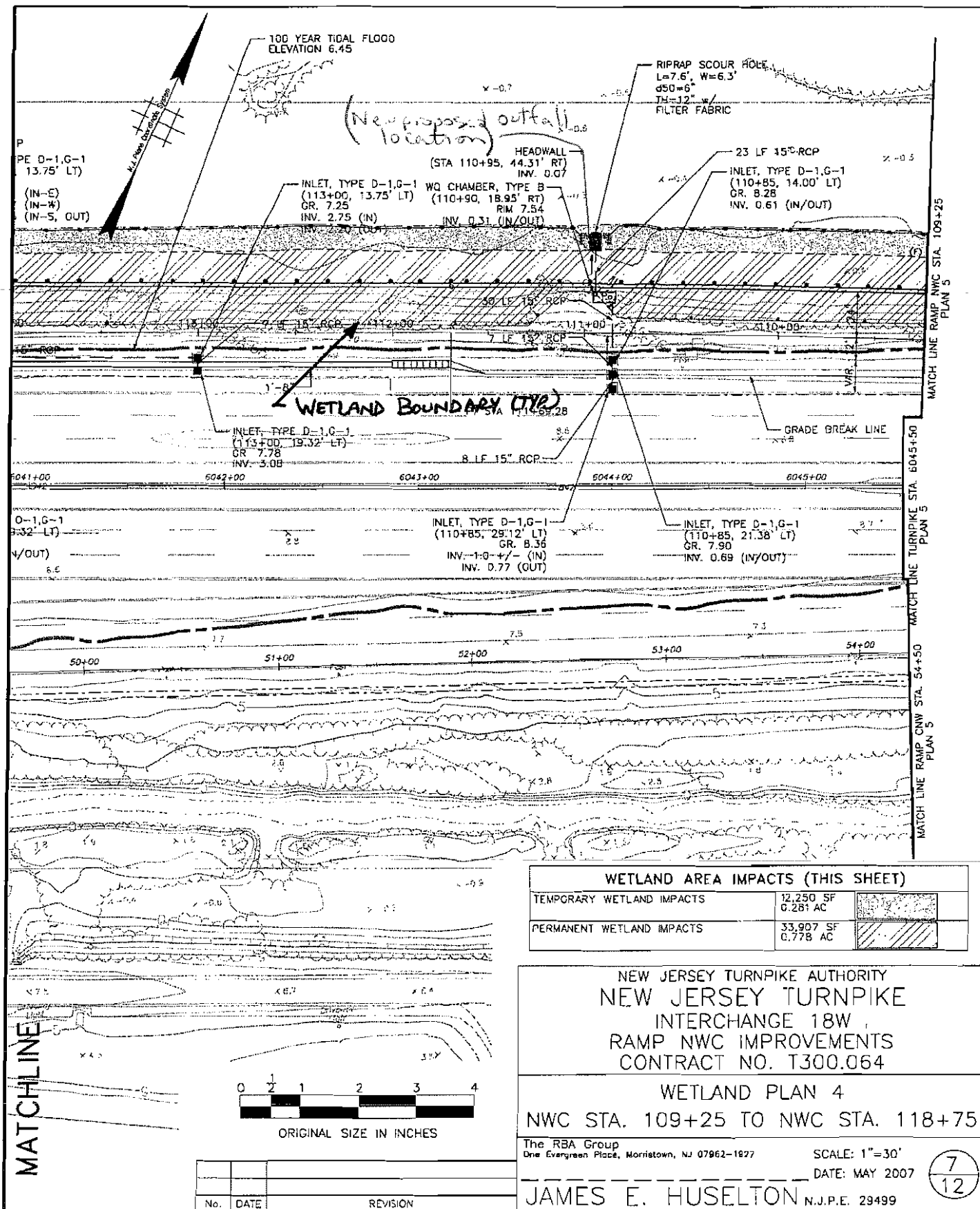
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CHECKED		
SUPERVISED	AMM	

Figure 10 of 21



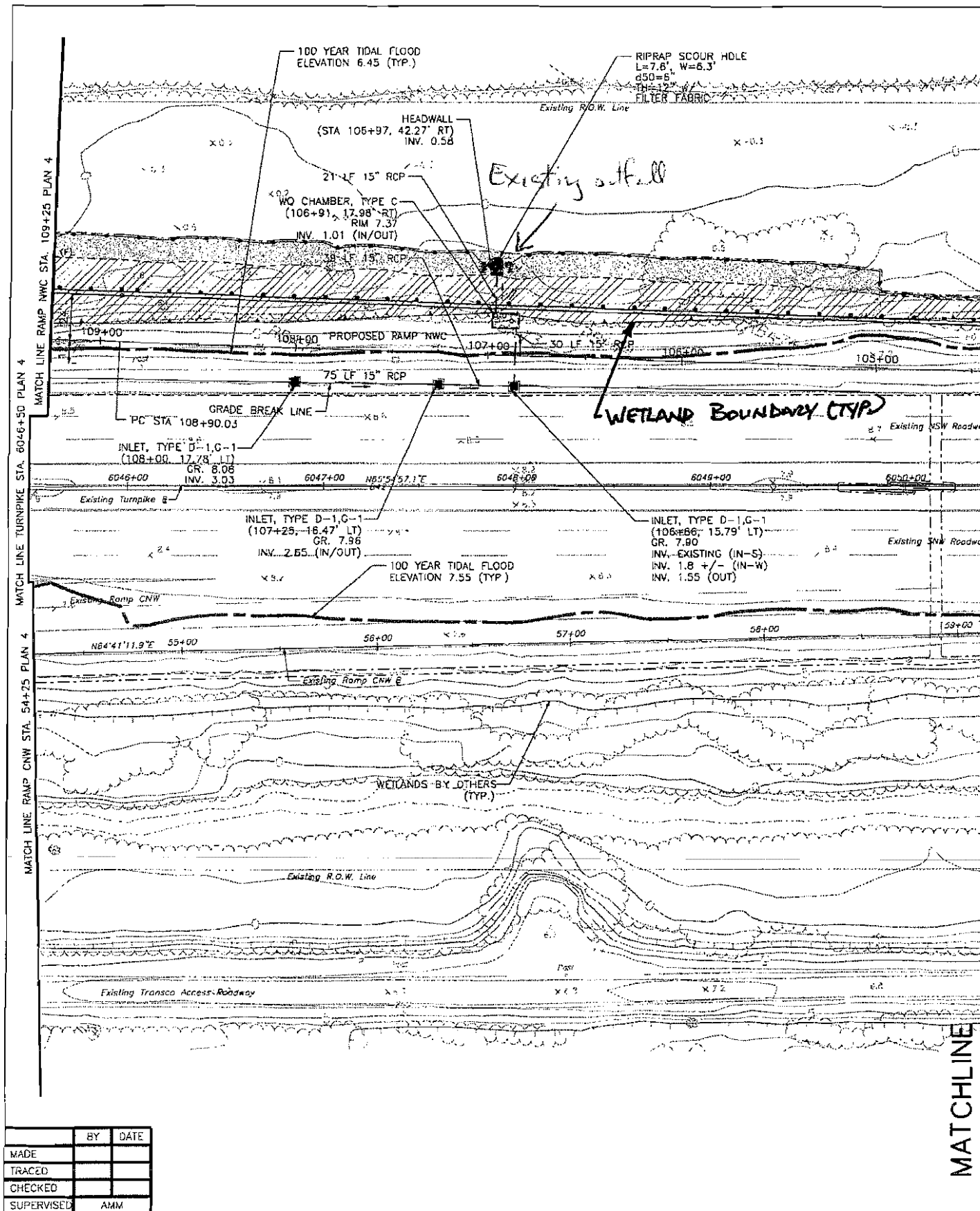


Figure 12 of 21



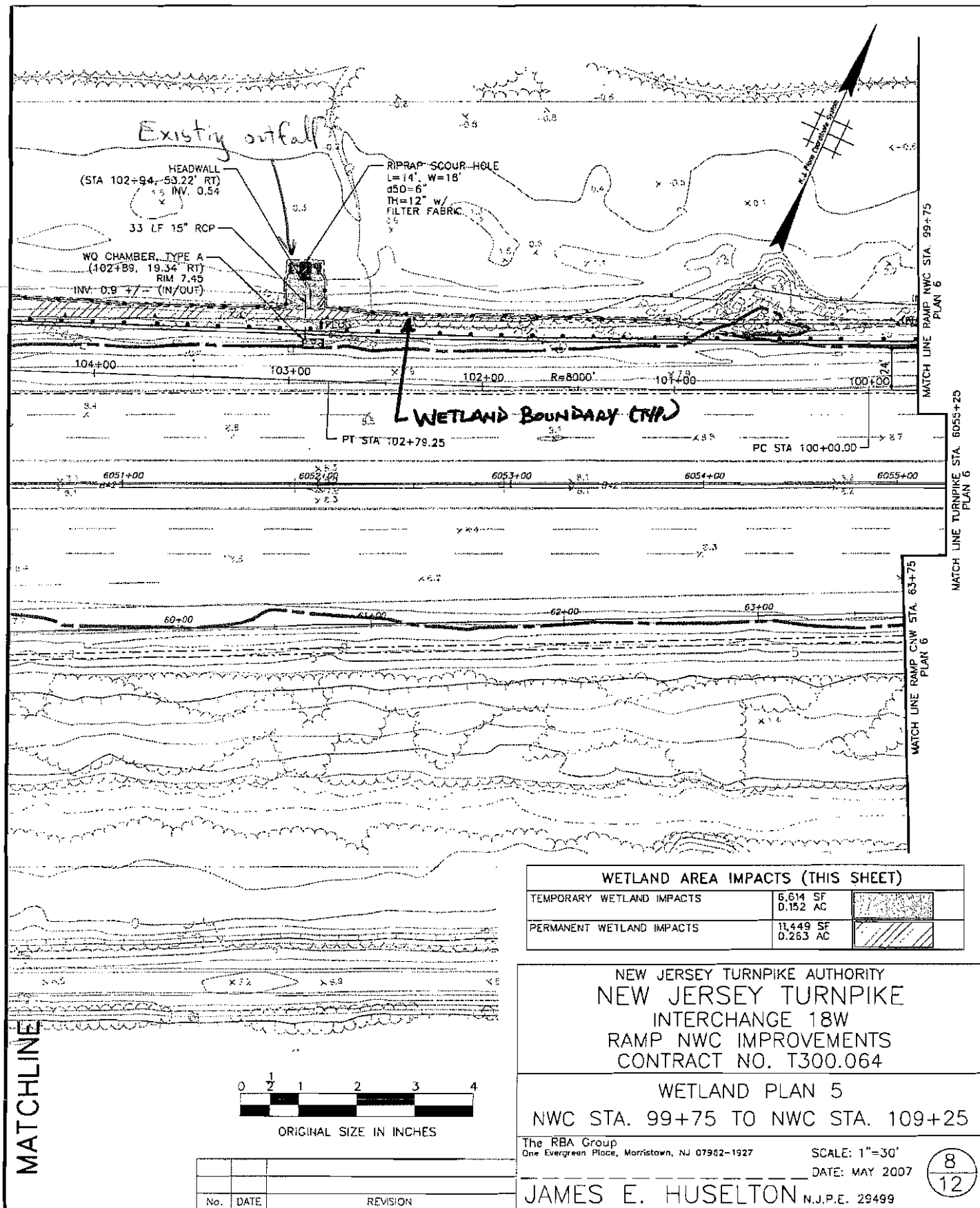


Figure 13 of 21

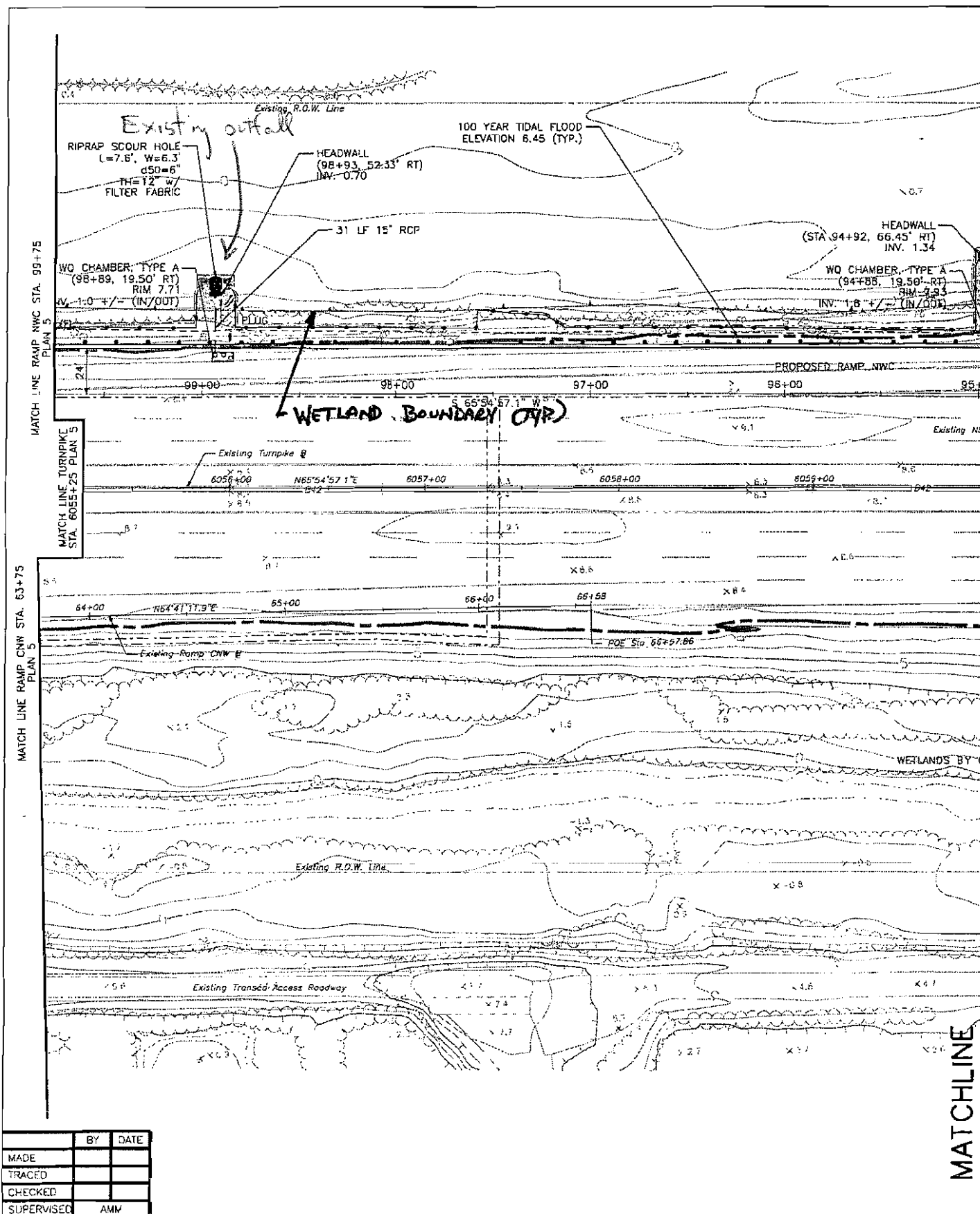


Figure 14 of 21

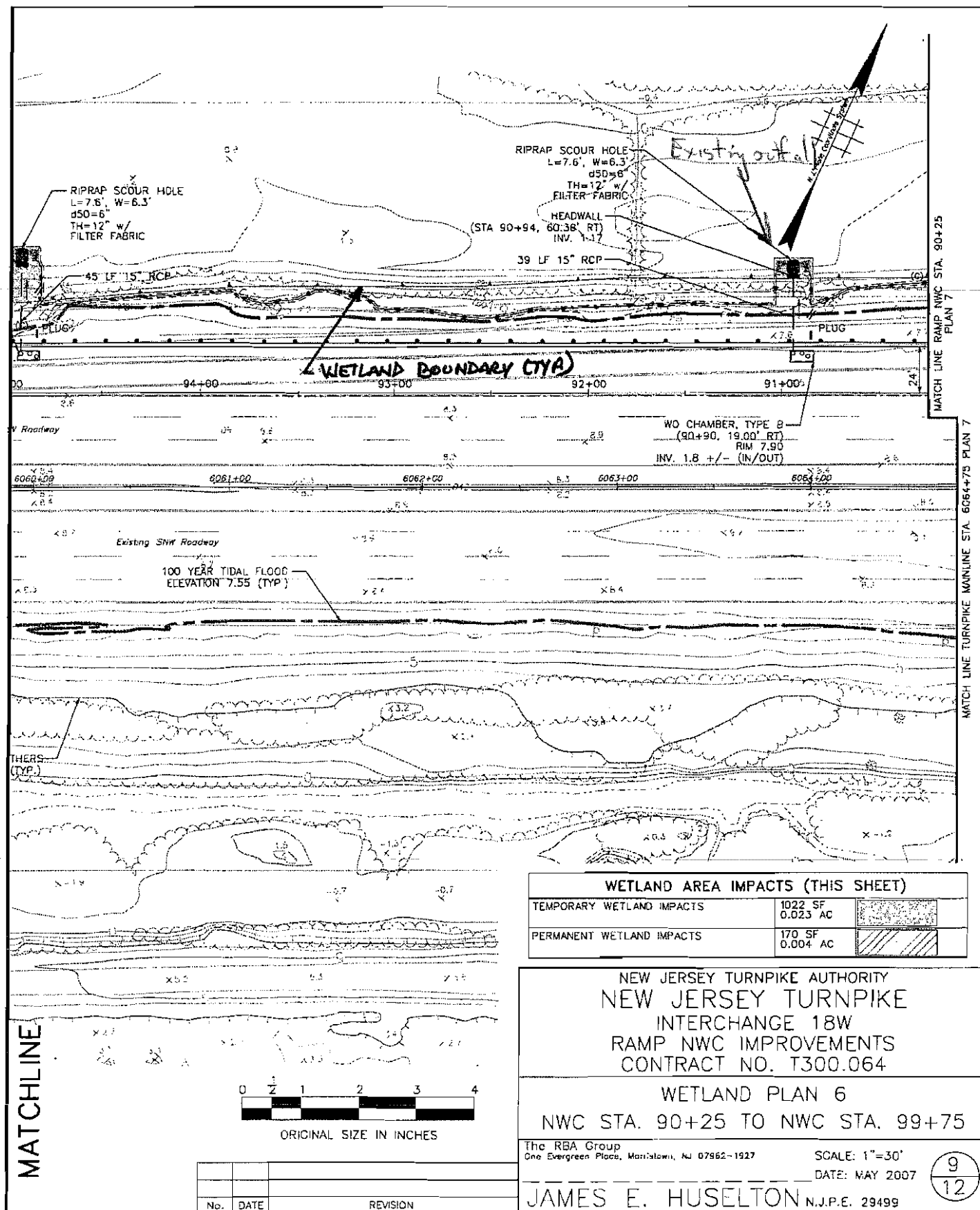
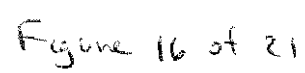
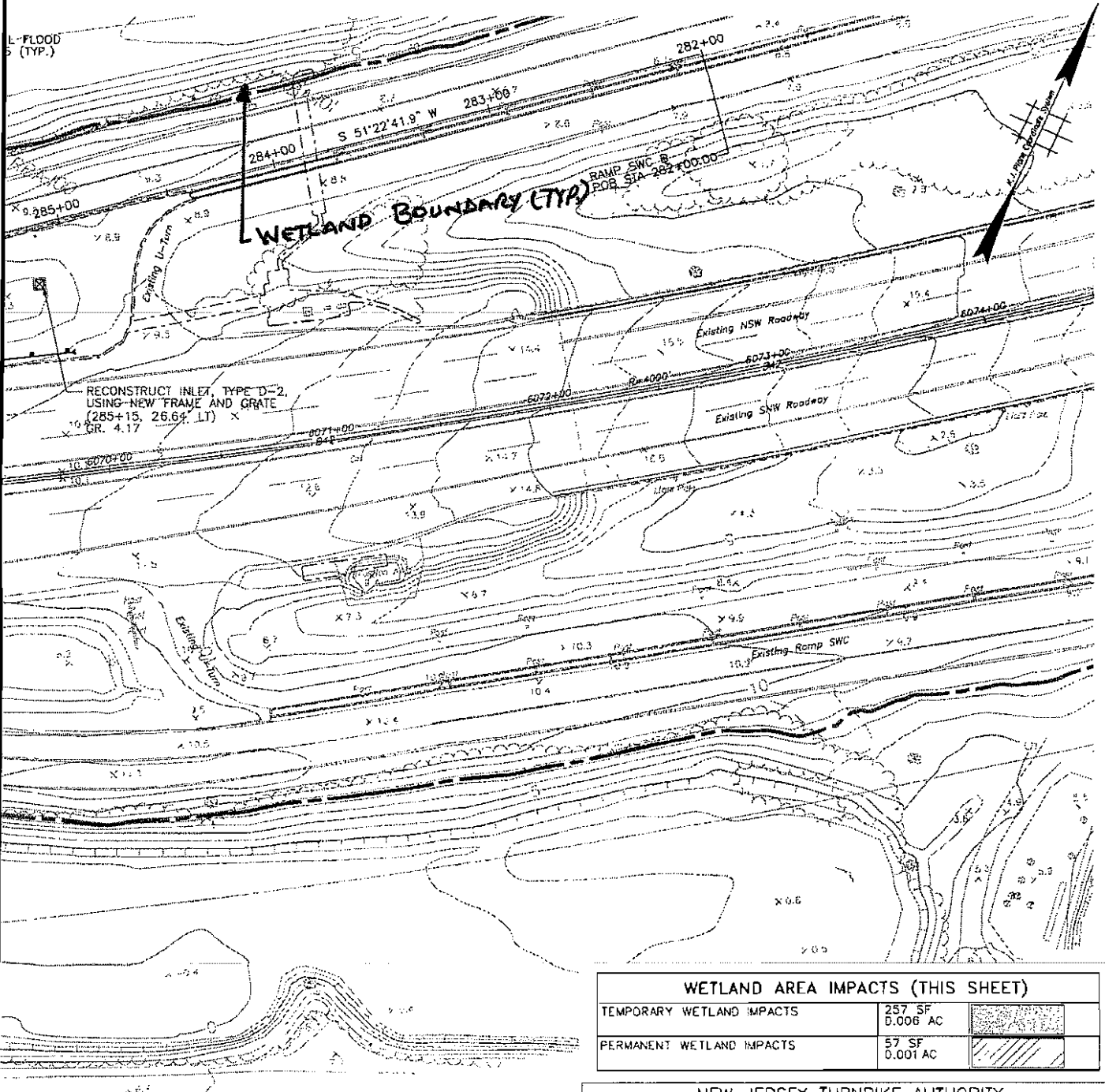


Figure 15 of 21

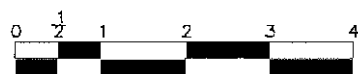


L-FLOOD  
5 (TYP.)



END OF PROJECT  
E11 AREA

MATCHLINE



ORIGINAL SIZE IN INCHES

No.	DATE	REVISION

### WETLAND AREA IMPACTS (THIS SHEET)

TEMPORARY WETLAND IMPACTS	257 SF 0.006 AC	
PERMANENT WETLAND IMPACTS	57 SF 0.001 AC	

NEW JERSEY TURNPIKE AUTHORITY  
NEW JERSEY TURNPIKE  
INTERCHANGE 18W  
RAMP NWC IMPROVEMENTS  
CONTRACT NO. T300.064

WETLAND PLAN 7  
NWC STA. 82+00 TO NWC STA. 90+25

The RBA Group  
One Evergreen Place, Morristown, NJ 07962-1927

SCALE: 1"=30'  
DATE: MAY 2007

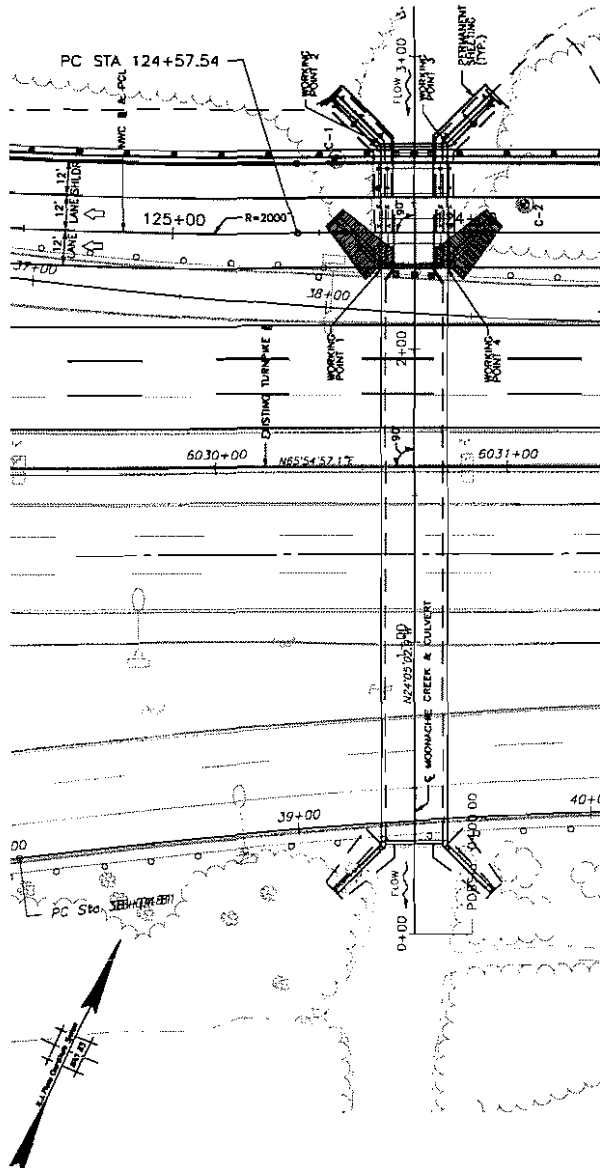
JAMES E. HUSELTON N.J.P.E. 29499

10  
12

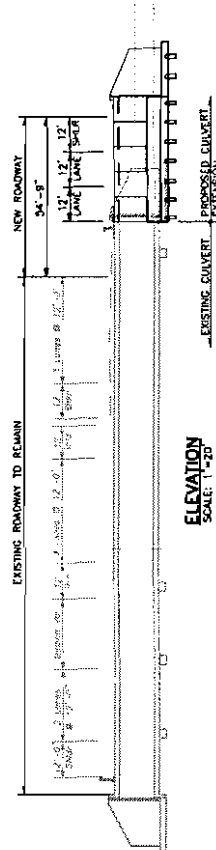
Figure 17 of 21

# GENERAL NOTES

1. DESIGN SPECIFICATIONS, 3RD ED., WITH CURRENT INTERIMS, AS MODIFIED BY NITA DESIGN MANUAL, SECTION 9, AUGUST STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH ED., 2002.
2. CONSTRUCTION SPECIFICATIONS, AS AMENDED AND AUGMENTED BY THE SUPPLEMENTARY SPECIFICATIONS.
3. DESIGN METHOD: ALL COMPONENTS.
4. ALLOWABLE STRESS: ALL COMPONENTS.
5. ALLOWABLE STRESS DESIGN: HS-20 LOADING.
6. DESIGN IN ACCORDANCE WITH AASHTO 17TH EDITION, DIMENSION 1A WITH CURRENT INTERIMS, AS MODIFIED BY NITA DESIGN MANUAL. NOT REQUIRED FOR BURIED STRUCTURES.
7. DEAD LOAD: 25 PSF FOR FUTURE WEARING SURFACE.
8. MATERIALS:
  - CONCRETE: CLASS C
  - REINFORCEMENT STEEL: ASTM A615, GRADE 60
  - DESIGN STRENGTH: 3,500 PSI
  - CONCRETE: 4,500 PSI
  - REINFORCEMENT STEEL: 60,000 PSI
9. FOUNDATIONS:
  - ULTIMATE PILE DRIVING RESISTANCE = 232 KIPS
  - MAXIMUM PILE DRIVING STRESS 0.391 = 32.4 KSI
  - THE STABILITY OF ALL EXCAVATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR.
  - THE FOOTING PRESSURE OF ADJACENT STRUCTURES AND THE TRAFFIC SURCHARGE SHOULD BE CONSIDERED DURING BRACING AND SHORING DESIGN.
10. ELEVATION DATUM = NAVD (1989).
11. GRID SYSTEM: NEW JERSEY STATE PLANE COORDINATE MAD (1983).
12. CONCRETE: ALL EXPOSED EDGES OF CONCRETE STRUCTURES SHALL BE CHAMFERED  $\frac{1}{4} \times \frac{1}{4} \times \frac{1}{4}$ .
13. UTILITIES: THE INFORMATION SHOWN ON THESE PLANS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL UTILITIES AS NEAR AS THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THEREOF.
14. BORINGS:
  - INDICATES LOCATION OF BORING.



PLAN  
SCALE: 1"=20'



ELEVATION  
SCALE: 1"=20'

STORM EVENT	50-YEAR	100-YEAR	500-YEAR
FLOW (CFS)	777	848	1476
WATER SURFACE ELEV. (ft)	0.89	1.10	3.38
VELOCITY (ft/s)	5.53	6.17	8.38
SCOUR ELEV. (ft)	-15.1	-15.3	-20.1



ORIGINAL SIZE IN INCHES

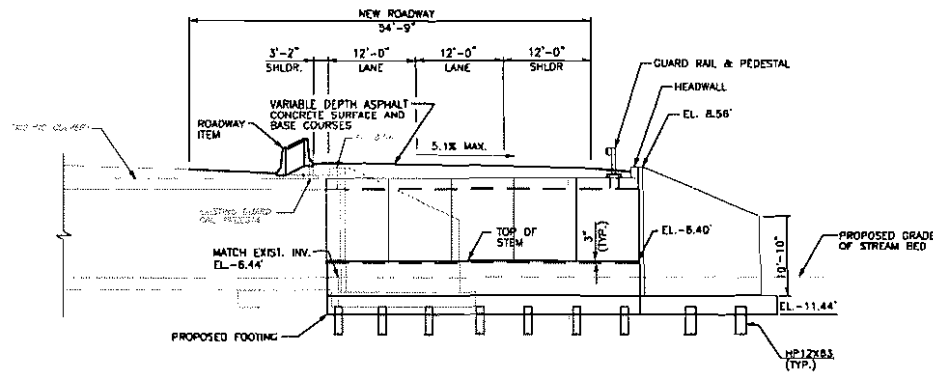
NEW JERSEY TURNPIKE AUTHORITY  
NEW JERSEY TURNPIKE  
INTERCHANGE 18W  
RAMP NWC IMPROVEMENTS  
CONTRACT NO. T300.064

MOONACHIE CREEK CULVERT EXTENSION  
GENERAL PLAN AND ELEVATION

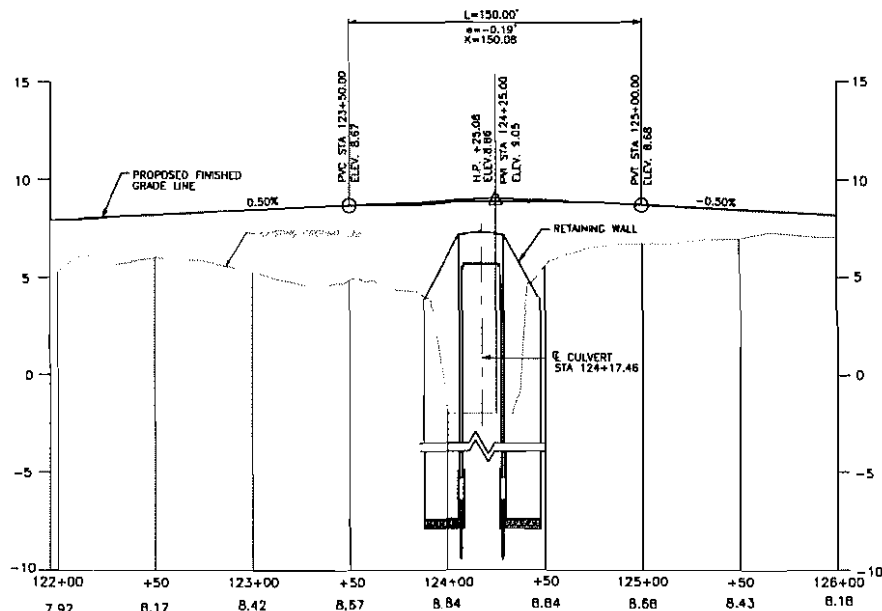
THE RBA GROUP  
One Corporation Plaza  
Morristown, NJ 07960-1807  
SCALE: AS SHOWN  
DATE: MAY 2007  
JAMES E. HUSELTON  
N.J.P.E. 29498

BY	DATE
MADE	
TRACED	
CHECKED	
SUPERVISED	

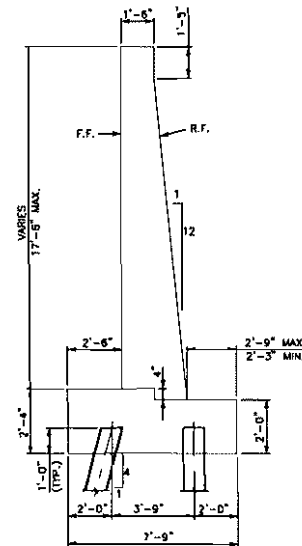
Figure 14 of 21



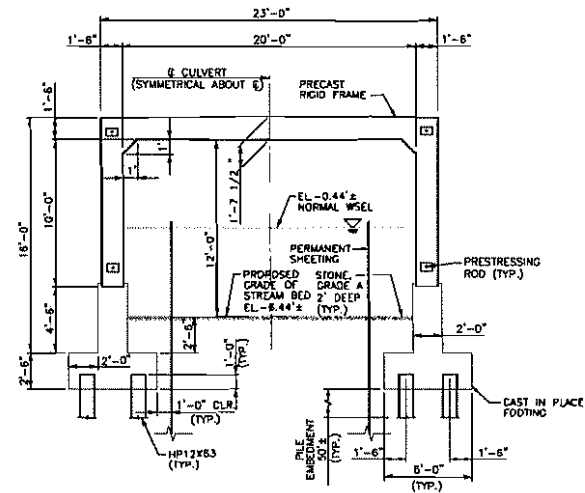
LONGITUDINAL SECTION AT C OF CULVERT  
SCALE: 1/8"=1'-0"



PROFILE  
SCALE: HORIZONTAL 1" = 30'  
VERTICAL 1" = 3'



TYPICAL WING WALL SECTION  
SCALE: 1/8"=1'-0"



TYPICAL 3-SIDED CULVERT SECTION  
SCALE: 1/4"=1'-0"

SUMMARY OF QUANTITIES			
PAY ITEM NO.	DESCRIPTION	CONTRACT UNIT	QUANTITY
	CLEARING SITE, MOONARCHIE CREEK		
	POROUS FILL		

BY	DATE
MADE	M.Y.
TRACED	
CHECKED	
SUPERVISED	



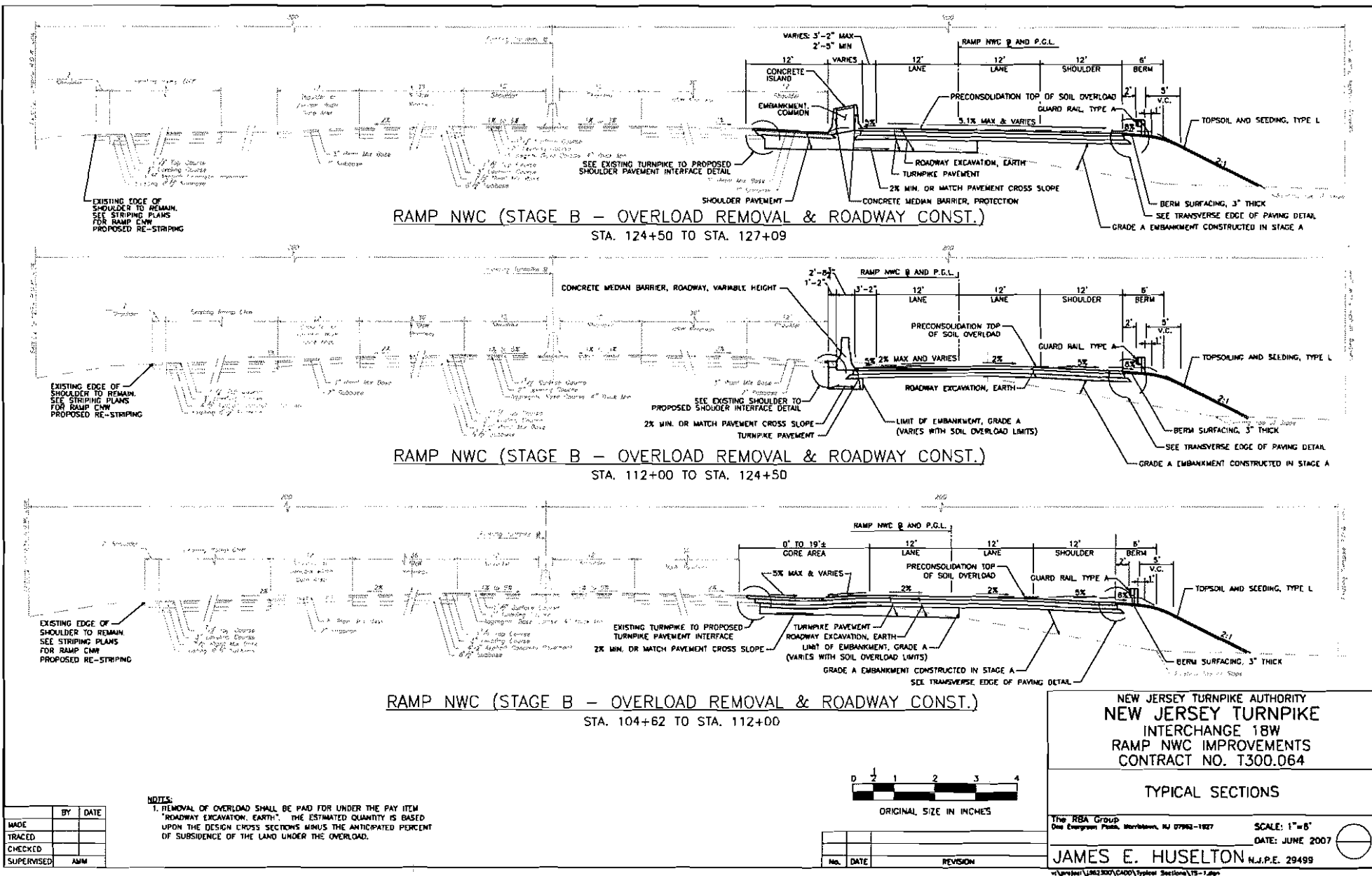
No.	DATE	REVISION

NEW JERSEY TURNPIKE AUTHORITY  
NEW JERSEY TURNPIKE  
INTERCHANGE 18W  
RAMP NWC IMPROVEMENTS  
CONTRACT NO. T300.064

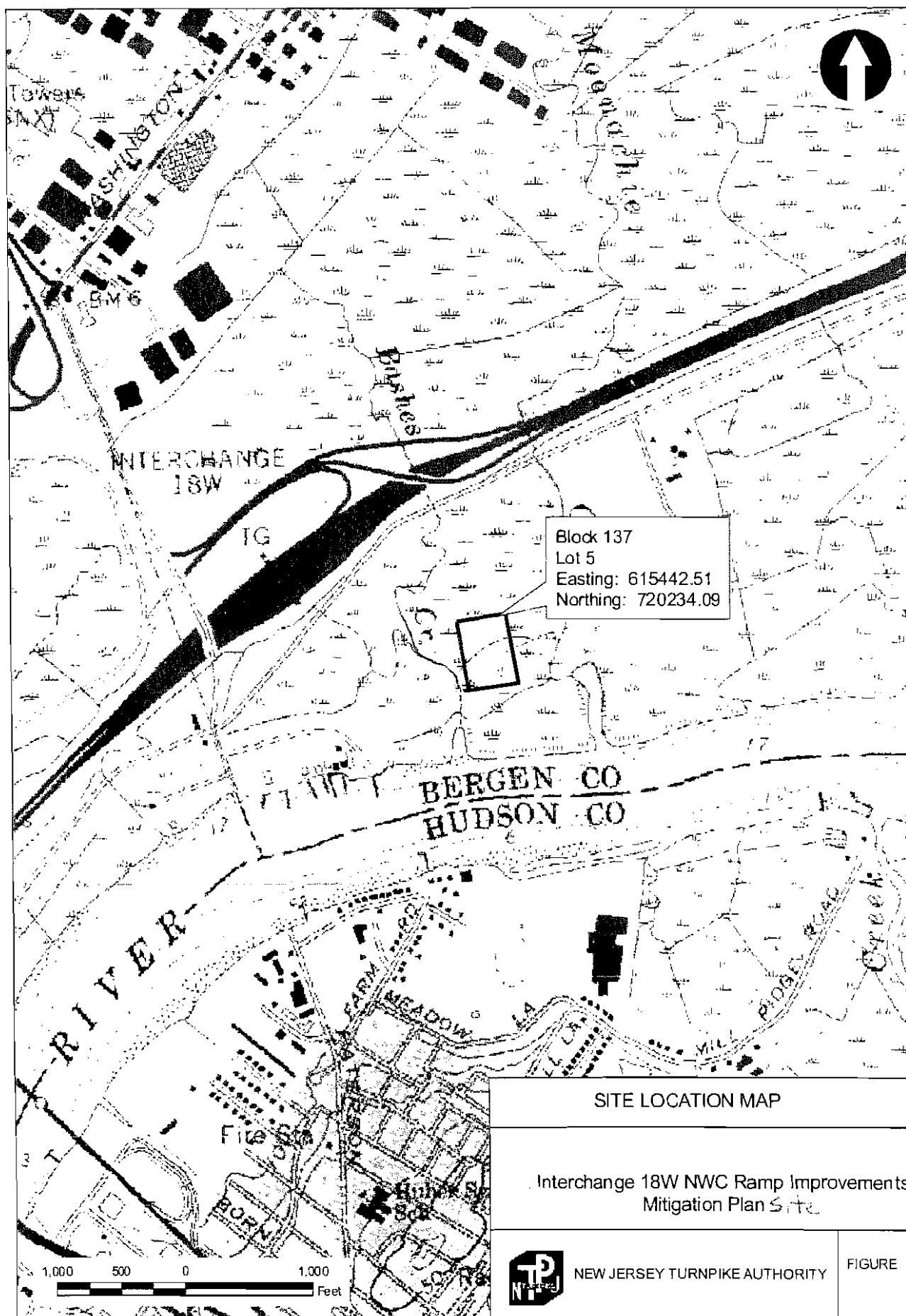
MOONARCHIE CREEK CULVERT EXTENSION  
TYPICAL SECTION AND PROFILE

The RBA Group  
One Enterprise Place, Morristown, NJ 07960-1827  
DATE: MAY 2007  
JAMES E. HUSELTON N.J.P.E. 29499

Figure 20 of 21







Source: USGS Topographic Quadrangle, Weehawken NJ. The Louis Berger Group, 2006.

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